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AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claim 1 (Currently Amended): A laser processing method for irradiating an object

to be processed with a first laser beam while converging the first laser beam with a lens

such that a converging point is positioned within the object, and so as to form forming a

modified region within the object along a line to cutcutting line in the object; the method

comprising:

a displacement acquiring step of acquiring a displacement between a point on the

line to cutcutting line and one end of the line to cutcutting line while irradiating the object

with a second laser beam for measuring a displacement of a main surface of the object

and detecting reflected light reflected by the main surface in response to the irradiation;

a position setting step of setting an initial position for holding the lens with

respect to the main surface of the object according to the acquired displacement; and

a processing step of forming the modified region in one end part of the line to

eutcutting line upon irradiation with the first laser beam while holding the lens at the

initial position, releasing the lens from being held at the initial position after forming the

modified region in the one end part of the cutting line, and then forming the modified

region in a part of the cutting line other than the one end part of the cutting line while

adjusting the position of the lens.

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Claim 2 (Original): A laser processing method according to claim 1, wherein the

second laser beam is emitted without emitting the first laser beam in the displacement

acquiring step.

Claim 3 (Original): A laser processing method according to claim 1, wherein the

first and second laser beams are converged by the lens so as to irradiate the object on the

same axis.

Claim 4 (Currently Amended): A laser processing method according to claim 1,

wherein the displacement is acquired from a point on the line to cutcutting line toward

one end of the line to cutcutting line in the displacement acquiring step.

Claim 5 (Original): A laser processing method according to claim 1, wherein the

quantity of reflected light of the second laser beam is also acquired in the displacement

acquiring step; and

wherein the initial position is set according to the displacement at a location

where the acquired quantity of light becomes a predetermined threshold in the position

setting step.

Claim 6 (Cancelled).

Claim 7 (Currently Amended): A laser processing method according to claim 1,

wherein, in the processing step, the second laser beam is emitted to the main surface of

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the object to be processed, and the lens is released from being held at the initial position

according to the quantity of reflected light reflected by the main surface in response to

the emission.

Claim 8 (Currently Amended): A laser processing method according to claim 7,

wherein, in the processing step, the lens is released from being held at the initial position

after an amount of change in the quantity of reflected light becomes a maximum value.

Claim 9 (Currently Amended): A laser processing method according to claim 7,

wherein, in the processing step, the lens is released from being held at the initial position

after the quantity of reflected light becomes a predetermined threshold.

Claim 10 (Currently Amended): A laser processing apparatus for irradiating an

object to be processed with a first laser beam while converging the first laser beam with a

lens such that a converging point is positioned within the object, and forming so as to

form a modified region within the object along a line to cutcutting line in the object; the

apparatus comprising:

a lens for converging the first laser beam and a second laser beam for measuring a

displacement of a main surface of the object onto the object;

displacement acquiring means for acquiring the displacement of the main surface

by detecting reflected light reflected by the main surface in response to irradiation with

the second laser beam;

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moving means for moving the object and the lens relative to each other along the main surface;

holding means for holding the lens such that the lens freely advances and retracts with respect to the main surface; and

control means for controlling respective behaviors of the moving means and holding means; wherein,

while emitting the second laser beam, the control means controls the moving means so as to move the object and the lens relative to each other along the line to eutcutting line, the displacement acquiring means acquiring the displacement between a point of the line to cutcutting line and one end of the line to cutcutting line, the control means controlling the holding means so as to hold the lens at an initial position set according to the acquired displacement; wherein,

while emitting the first laser beam with the lens being held at the initial position, the control means controls the moving means so as to move the object and the lens relative to each other along the line to cutcutting line, thereby forming the modified region in one end part of the line to cutcutting line; and wherein,

after forming the modified region in the one end part, the control means controls the holding means so as to release the lens from being held at the initial position and hold the lens while adjusting a position of the lens, and controls the moving means so as to move the object and the lens relative to each other along the line to cutcutting line to form the modified region in a part of the cutting line other than the one end part of the cutting line.

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Claim 11 (Currently Amended): A laser processing apparatus according to claim

10, wherein the second laser beam is emitted without emitting the first laser beam when

the control means controls the moving means so as to move the object and the lens

relative to each other along the line to cutcutting line while the displacement acquiring

means acquires the displacement between a point of the line to cutcutting line and one

end of the line to cutcutting line.

Claim 12 (Original): A laser processing apparatus according to claim 10, wherein

the lens converges the first and second laser beams onto the object on the same axis.

Claim 13 (Currently Amended): A laser processing apparatus according to claim

10, wherein the control means controls the moving means so as to irradiate the line to

eutcutting line from a point thereof toward one end thereof with the second laser beam;

and

wherein the displacement acquiring means acquires the displacement from the

point on the line to cutcutting line toward the one end of the line to cutcutting line in

response to the irradiation with the second laser beam.

Claim 14 (Currently Amended): A laser processing apparatus according to claim

10, wherein the displacement acquiring means also acquires the quantity of reflected light

of the second laser beam; and

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wherein the control means sets the initial position according to the displacement at a location where an amount of <u>an absolute</u> change in the acquired quantity of light

Claim 15 (Original): A laser processing apparatus according to claim 10, wherein the displacement acquiring means also acquires the quantity of reflected light of the

second laser beam; and wherein the control means sets the initial position according to

the displacement at a location where the acquired quantity of light becomes a

predetermined threshold.

becomes an extreme a peak value.

Claim 16 (Currently Amended): A laser processed, apparatus according to claim

10, wherein the control means controls the holding means so as to release the lens from

being held at the initial position according to the quantity of reflected light of the second

laser beam.

Claim 17 (Currently Amended): A laser processing apparatus according to claim

16, wherein the control means controls the holding means so as to release the lens from

being held at the initial position after an amount of change in the quantity of reflected

light becomes a maximum value.

Claim 18 (Currently Amended): A laser processing apparatus according to claim

16, wherein the control means controls the holding means so as to release the lens from

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being held at the initial position after the quantity of reflected light becomes a predetermined threshold.